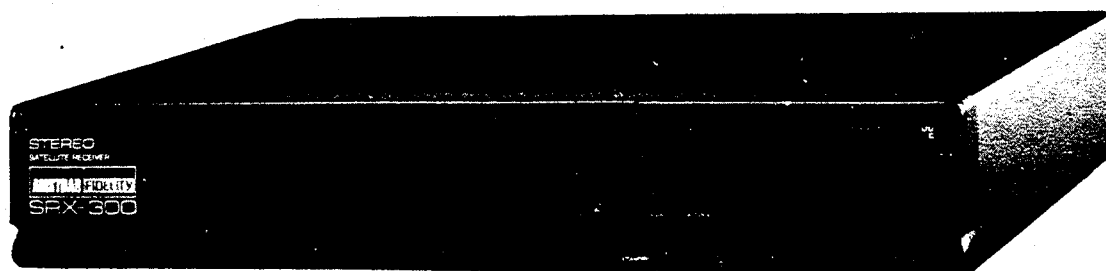


AMSTRAD



SRX300

SATELLITE RECEIVER & DISHES

SERVICE MANUAL

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Technical specification

Receiver

Dimensions:	335 x 250 x 62mm
Weight:	2.2kg
Mains supply:	220-230V ac 50Hz
Tuning frequency range:	964.25 to 1685.50MHz
Channel bandwidth:	27MHz
Adjacent channel spacing:	14.75MHz
AFC hold-in range:	±7.5MHz
Dynamic range:	-30 to -60dBm
Threshold:	8dB carrier to noise (with threshold extension)
RF output:	Channel 38 (607.25MHz) Adjustable from channel 32 (559.25MHz) to channel 40 (623.25MHz)
Audio:	Wegener Panda 1 (stereo) 30 sub-carrier system Mode switchable
Output level:	2V pk-pk at 50kHz input deviation
RF sub-carrier:	5.5MHz (PAL G)
Frequency response:	40Hz to 15kHz
Input/output connectors:	LNB IN 75 ohms F-type RF IN 75 ohms coaxial RF OUT 75 ohms coaxial AUDIO OUT RCA phono pair TV SCART/PERITEL 21-way VCR SCART/PERITEL 21-way INTERFACE 15-way subminiature D-type

LNB

Input frequency range:	0.95 to 11.70GHz
Output frequency range:	950 to 1700MHz
Local oscillator:	10GHz
Gain:	53dB
Noise:	1.6dB/1.8dB
Polarisation switching:	Electrical
Output connector:	75 ohms F-type

Technische Daten

Empfänger

Abmessungen:	335 x 250 x 62 mm
Gewicht:	2,2 kg
Stromversorgung:	220-230 V Wechselstrom 50 Hz
Frequenzbereich:	964,25 bis 1685,50 MHz
Kanalbandbreite:	27 MHz
NebenkanaLabstand:	14,75 MHz
AFC-Feinabstimmungsbereich:	± 7,5 MHz
Dynamikbereich:	-30 bis -60 dBm
Schwellwert:	8 dB (mit Schwellwertenerweiterung)
RF-Ausgang:	Kanal 38 (607,25 MHz) Einstellbar von Kanal 32 (559,25 MHz) bis Kanal 40 (623,25 MHz)
Signal-Rauschabstand S/N:	43,5dB

(bezogen auf Basisbandbreite
5MHz für PAL bei C/N=14dB und
nominellen Hub s-s des
Nutzsignals)

Audio:	Wegener Panda 1 (Stereo) System mit 30 Zwischenträgern Modumschaltung
Ausgangspegel:	2 Vs-s bei 50 kHz Hub
RF-Zwischenträger:	5,5 MHz (PAL G)
Frequenzgang:	40 Hz bis 15 kHz
Eingangs-/Ausgangsanschlüsse:	LNB IN 75 Ohm Typ F RF IN 75 Ohm koaxial RF OUT 75 Ohm koaxial AUDIO OUT RCA-Phonostecker TV SCART/PERITEL 21-polig VCR SCART/PERITEL 21-polig INTERFACE 15-poliger Sub-D-Stecker

LNB

Eingangsfrequenzbereich:	10,95 bis 11,70 GHz
Ausgangsfrequenzbereich:	950 bis 1700 MHz
Oszillatorfrequenz:	10 GHz
Verstärkung:	53 dB
Rauschmaß:	1,6 dB/1,8 dB
Träger-Rauschabstand C/N:	15 dB
Polarisationsumschaltung:	elektronisch
Ausgangsbuchse:	Typ F 75 Ohm

SAFETY TESTS

Please note: when any work is completed on this unit, the following safety tests must be completed to ensure continued electrical safety.

- Flash test from the mains lead with live and neutral joined together to all accessible external metal points at 4kV.**
- Megger test at 400V DC from the mains lead with live and neutral joined together to all accessible metal points. The reading must not fall below 2 Mohms.**

NB. Ensure the on/off switch is switched on when both these tests are carried out.

In keeping with our policy of continually improving our service and the technical quality of our products, we reserve the right to change component types, manufacturers, sources of supply or technical specification at any time.

AMSTRAD PLC
BRENTWOOD HOUSE, 169 KINGS ROAD, BRENTWOOD, ESSEX CM14 4EF.

Spécifications techniques

Récepteur

Dimensions:	335 x 250 x 62 mm
Poids:	2.2 kg
Alimentation:	220-230V ac 50 Hz
Bande passante d'accord:	964.25 à 1685.50 MHz
Largeur de canal:	27 MHz
Ecart entre canaux:	±14.75 MHz
Rattrapage CAF:	7.5 MHz
Dynamique:	-30 à -60 dBm
Sensibilité:	8 dB de porteur au bruit (avec extension de seuil)
Sortie antenne:	Canal 38 (607.25 MHz) Ajustage du canal 32 (559.25 MHz) au canal 40 (623.25 MHz)
Audio:	Wegener Panda 1 (stéréo) Système à 30 sous-porteuses Changement de mode
Niveau de sortie:	2V c-c avec 50 KHz de déviation
Sous porteuse RF:	5.5 MHz (PAL G)
Bande passante:	40 Hz à 15 KHz
Prise d'entrées/sorties:	F 11 (±7.5 mm) pour l'entrée tête LNB Coaxiale 75 ohms pour l'entrée antenne Coaxiale 75 ohms pour la sortie antenne RCA pour la sortie Audio TV SCART/PERITEL 21 broches VCR SCART/PERITEL 21 broches INTERFACE 15 broches type D

Tête faible bruit

Bande passante d'entrée:	10.95 à 11.70 GHz
Bande passante de sortie:	950 à 1700 MHz
Oscillateur local:	10 GHz
Gain:	53 dB
Bruit:	1.6 dB/1.8 dB
Polarisation:	Electrique
Prise de sortie:	Type F 75 ohms

Especificaciones técnicas

Receptor

Dimensiones:	335 x 250 x 62 mm (largo x ancho x alto)
Peso:	2.2 kg
Tensión de red:	220-230V c.a. 50 Hz
Margen de frecuencia de sintonía:	964.25 a 1685.50 MHz
Anchura de banda de canal:	27 MHz
Separación entre canales adyacentes:	14.75 MHz
Margen de enganche de AFC:	±7.5 MHz
Margen dinámico:	-30 a -60 dBm
Umbral:	8 dB portadora/ruido (con extensión del umbral)
Salida de RF:	Canal 38 (607.25 MHz) Ajustable desde el canal 32 (559.25 MHz) hasta el canal 40 (623.25 MHz)
Audio:	Wegener Panda 1 (estéreo) Sistema de 30 subportadoras
Nivel de salida:	2V pk-pk para una desviación de entrada de 50 kHz
Subportadora de RF:	5.5 MHz (PAL G)
Respuesta de frecuencia:	40 kHz a 15 kHz
Conectores de entrada/salida:	LNB IN: 75 ohms tipo F RF IN 75 ohms, coaxial RF OUT 75 ohms, coaxial AUDIO OUT: par fono RCA TV SCART/PERITEL: 21 vías VCR SCART/PERITEL: 21 vías INTERFACE: 15 vías, subminiatura, tipo D

LNB

Margen de frecuencia de entrada:	10.95 a 11.70 GHz
Margen de frecuencia de salida:	950 a 1700 MHz
Oscilador local:	10 GHz
Gainancia:	53 dB
Ruido:	1.6 dB/1.8 dB
Commutación de polarización:	Eléctrica
Conector de salida:	75 ohms, tipo F

Technische specificaties

Ontvanger

Afmetingen:	335 x 250 x 62 mm
Gewicht:	2.2 kg
Netvoeding:	220-230 Volt, 50 Hz
Frequentiebereik:	964.25 tot 1685.50 MHz
Bandbreedte:	27 MHz
Kanaalscheiding:	14.75 MHz
AFC vanggebied:	±7.5 MHz
Dynamisch bereik:	-30 tot -60 dBm
Drempel:	8 dB draaggolf/ruis (met drempeluitbreiding)
RF output:	Kanaal 38 (607.25 MHz) Instelbaar van kanaal 32 (559.25 MHz) tot kanaal 40 (623.25 MHz)
Audio:	Wegener Panda 1 (stereo) 30 hulpdraaggolf-systeem schakelbare modus
Output niveau:	2 V piek-piek bij 50 KHz frequentiezwaaai
RF hulpdraaggolf:	5.5 MHz (PAL G)
Frequentiebereik:	40 Hz tot 15 kHz
Aansluitingen:	LNB IN 75 Ω type F RF IN 75 Ω coax RF OUT 75 Ω coax AUDIO OUT cinch TV SCART/PERITEL 21-pens VCR SCART/PERITEL 21-pens INTERFACE 15-pens INTERFACE 15-pens subminiatur D-connector

LNB

Input frequentiebereik:	10.95 tot 11.70 GHz
Output frequentiebereik:	950 tot 1700 MHz
Eigen oscillatorfrequentie:	10 GHz
Versterking:	53 dB
Ruisniveau:	1.6/1.8 dB
Polarisatie omschakeling:	Elektrisch
Antenne-aansluiting:	75 Ω type F

Caratteristiche tecniche

Ricevitore

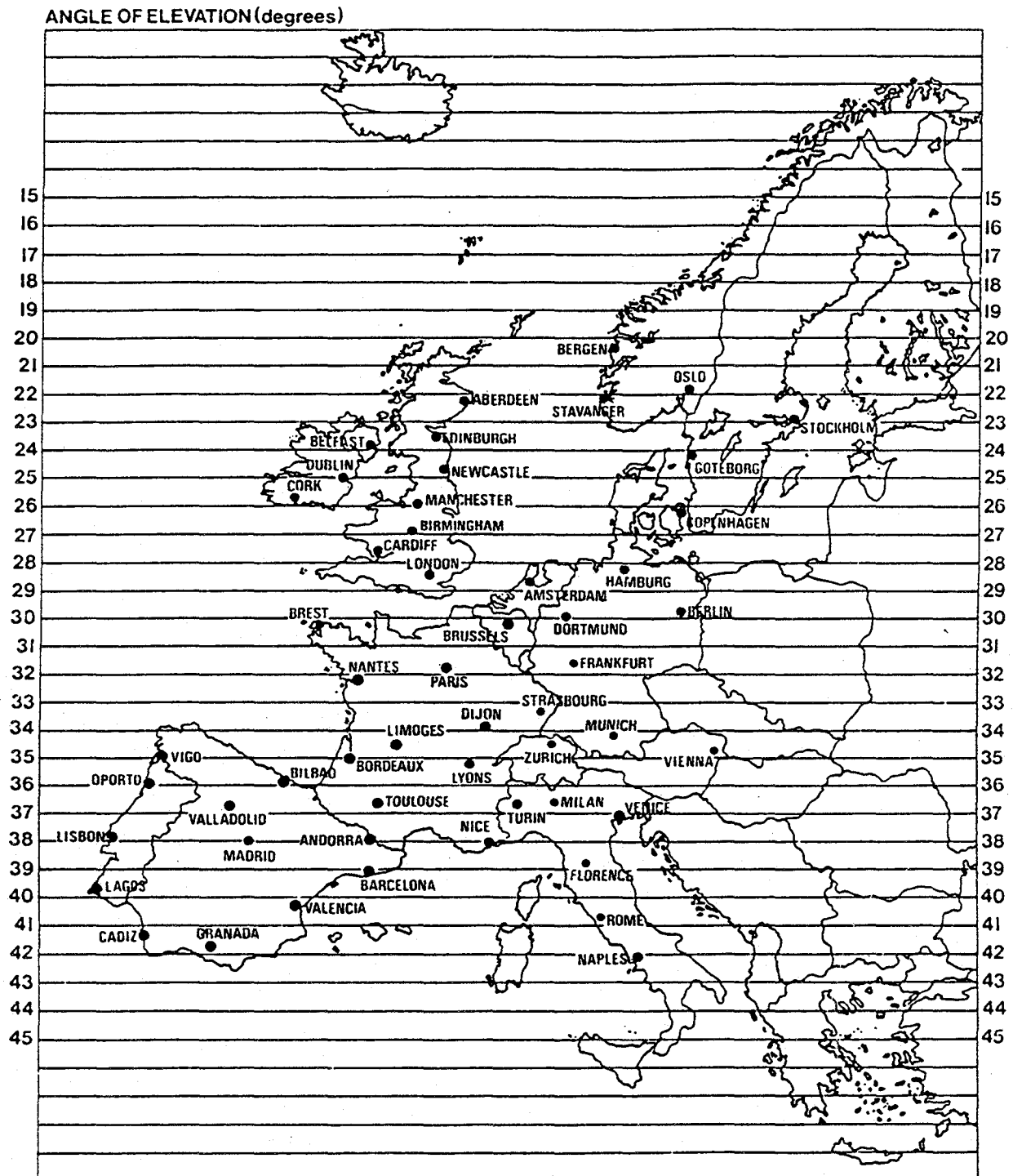
Dimensioni	335 x 250 x 62 mm
Peso	2.2 Kg
Alimentazione	220-230 V c.a. 50 Hz
Frequenze ricevibili	da 964.25 MHz a 1685.50 MHz
Larghezza di banda del canale	27 MHz
Distanza tra canali adiacenti	14.75 MHz
Aggancio AFC	± 7.5 MHz
Dinamica d'entrata	da -30 dBm a -60 dBm
Soglia	8 dB C/N (con estensione di soglia)
Uscita RF	Canale 38 (607.25 MHz) Regolabile dal canale 32 (559.25 MHz) al canale 40 (623.25 MHz)
Audio	Wegener Panda 1 (stereo) con 30 sistemi di sottoportante Modo commutabile
Livello di uscita	2V pk-pk a 50 KHz deviazione di ingresso
Sottoportante RF	5.5 MHz (PAL G)
Risposta audio	da 40 Hz a 15 KHz
Connettori di Ingresso e Uscita	LNB IN 75 ohm tipo F femmina RF IN 75 ohm coassiale femmina RF OUT 75 ohm coassiale maschio Uscite audio R/L tipo RCA TV SCART/PERITEL 21 pin VCR SCART/PERITEL 21 pin INTERFACE 15 pin tipo a "D"

Blocco LNB

Gamma di frequenza in ingresso	da 10.95 GHz a 11.70 GHz
Gamma di frequenza in uscita	da 950 MHz a 1700 MHz
Oscillatore locale	10 GHz
Guadagno	53 dB
Cifra di rumore	1.6/1.8 dB
Commutazione di polarizzazione	Elétrica
Connettore di uscita	75 ohm tipo F

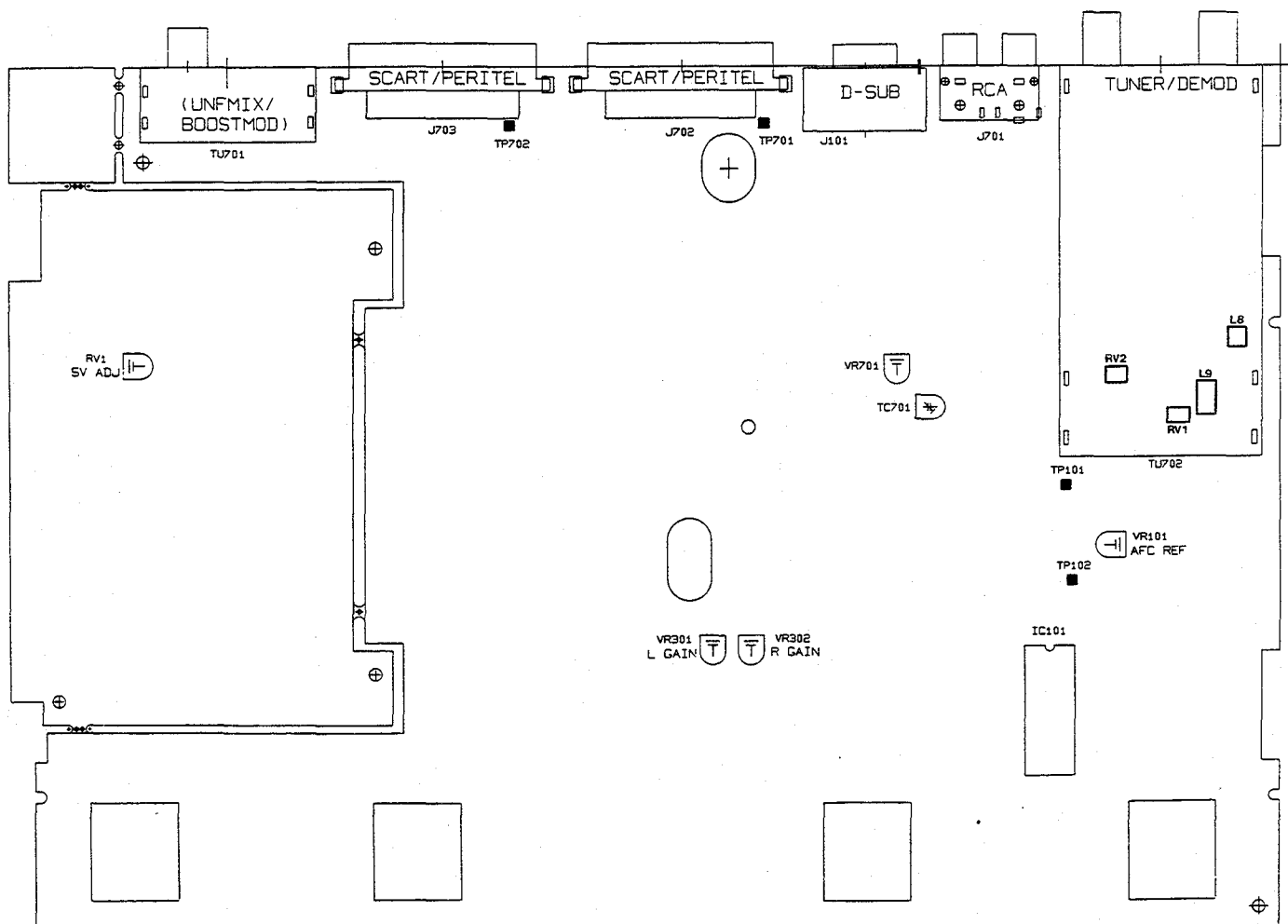
DISH ALIGNMENT

Astra satellites are positioned at an elevation of between 15° and 45° up from the horizon (depending on your location in Europe):



SRX300 ALIGNMENT INSTRUCTIONS

1. **+5V Adjustment.**
LNB connected to receiver.
Connect D.V.M. between pin 4 on CNP4 and ground.
Power on, select channel 8 from Astra Satellite.
Adjust RV1 to obtain 5.0V DC $\pm$ 0.05V.
2. **AFT Off Set Adjustment.**
Short pins 18 and 19 of IC101 to ground.
Connect D.V.M. between TP102 and ground.
Power on, adjust VR101 to obtain 6.2V DC $\pm$ 0.02V.
Switch off and remove shorting links.
Unit should be powered on, at least 10 minutes prior to this setting.
3. **Video Level Adjustment.**
LNB connected to receiver.
Connect oscilloscope between TP701 and ground. Connect 75 Ω resistor between pin 19 of J703 scart connector and ground.
Power on, select channel 8 from Astra Satellite.
Adjust VR701 to obtain 0.9V P-P $\pm$ 0.08V on the video signal level.
4. **H. F. Peak Adjustment.**
LNB connected to receiver.
Connect oscilloscope between TP701 and ground. Connect 75 Ω resistor between Pin 19 of J703 scart connector and ground.
Power on, select channel 8 from Astra Satellite.
Observe insertion test signal line.
Adjust TC701 to obtain 700mV chroma on line 331 signal, adjust +0% to -10%.
5. **Left Audio Channel Adjust.**
LNB connected to receiver.
Connect oscilloscope to left output of phono jack J701.
Power on, select channel 8 from Astra Satellite stereo mode 1.
Receive subcarrier frequency of 7.02MHz, adjust VR301 to obtain 2V P-P $\pm$ 0.2V.
6. **Right Audio Channel Adjust.**
LNB connected to receiver.
Connect oscilloscope to right output of phono jack J701.
Power on, select channel 8 from Astra Satellite stereo mode 1.
Receive subcarrier frequency of 7.20MHz, adjust VR302 to obtain 2V P-P $\pm$ 0.2V.

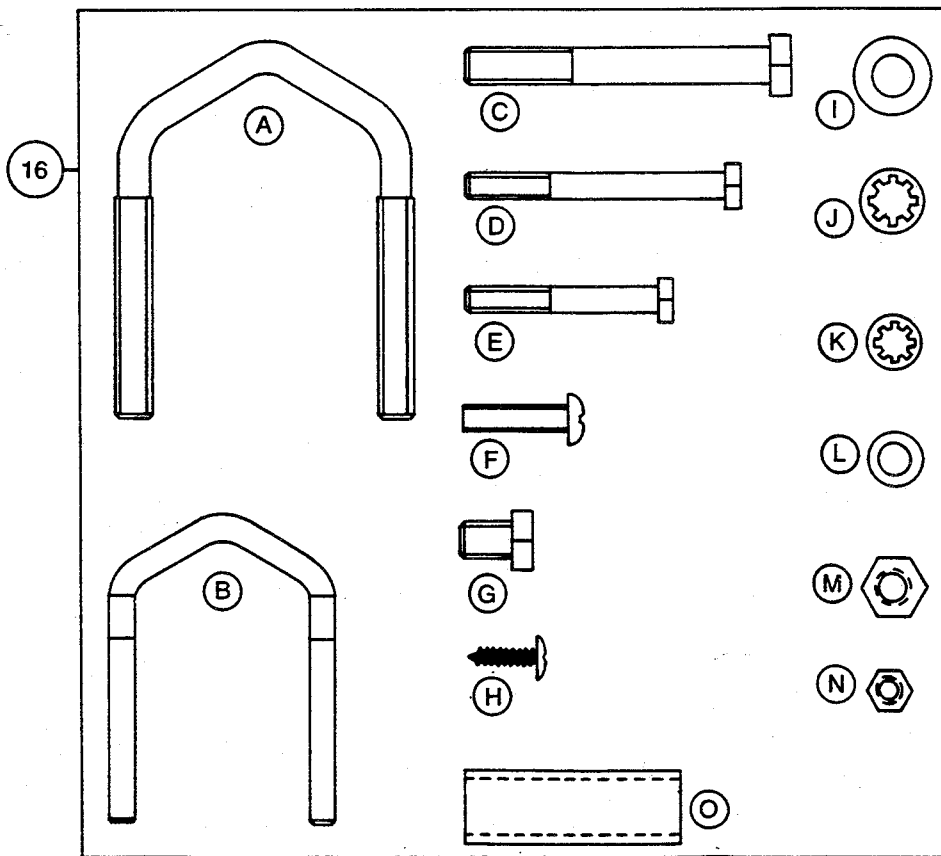
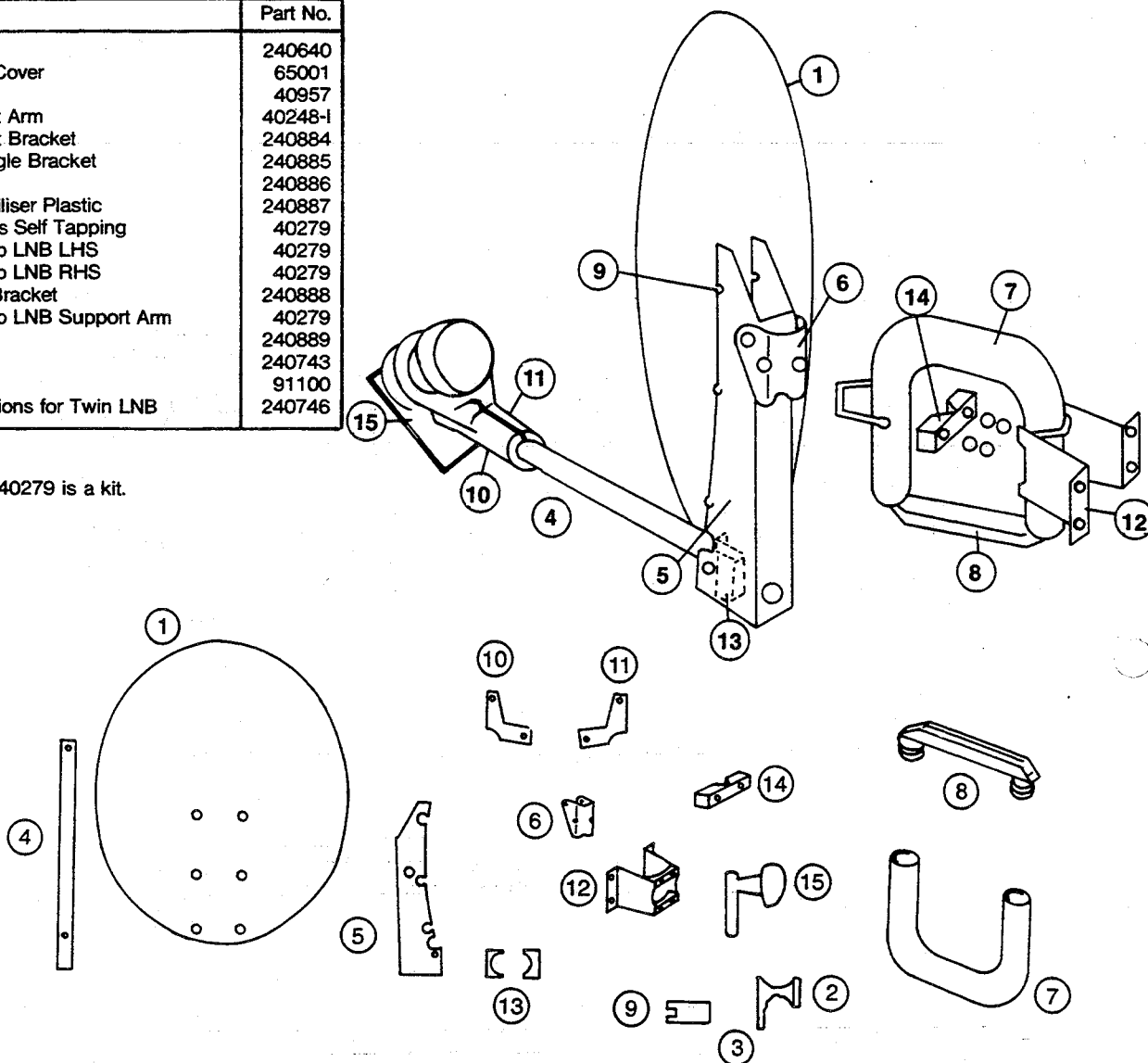


SDM60 PARTS LIST

Ref.	Description	Part No.
1	Mesh Dish	240640
2	Single LNB Cover	65001
3	Single LNB	40957
4	LNB Support Arm	40248-I
5	Dish Support Bracket	240884
6	Elevation Angle Bracket	240885
7	U Tube	240886
8	U Tube Stabiliser Plastic	240887
9	Plastic Inserts Self Tapping	40279
10	Plastic Clamp LNB LHS	40279
11	Plastic Clamp LNB RHS	40279
12	Wall Fixing Bracket	240888
13	Plastic Clamp LNB Support Arm	40279
14	V Clamp	240889
15	Twin LNB	240743
16	Screw Kit	91100
	User Instructions for Twin LNB	240746

Part number 40279 is a kit.

SDM60 DISH EXPLODED VIEW

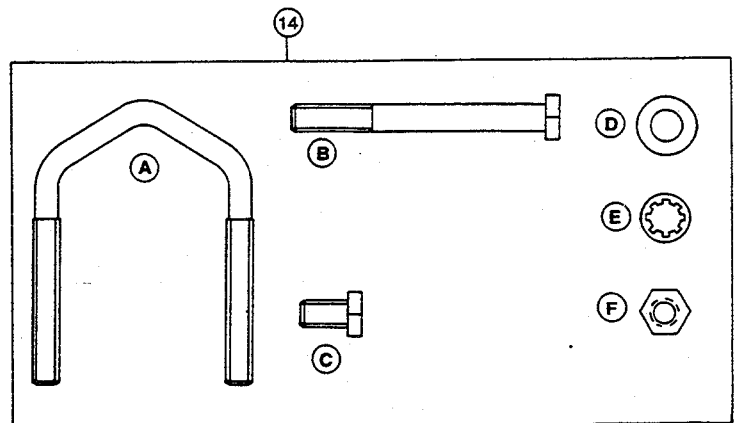
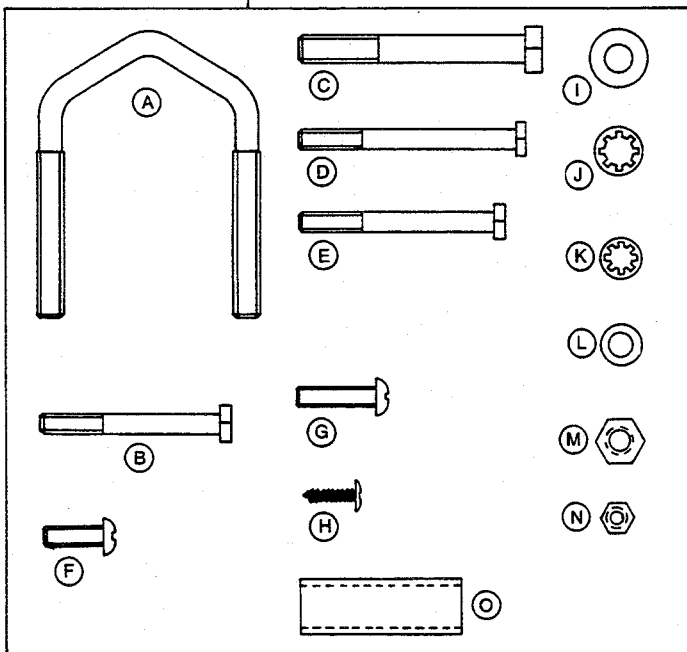
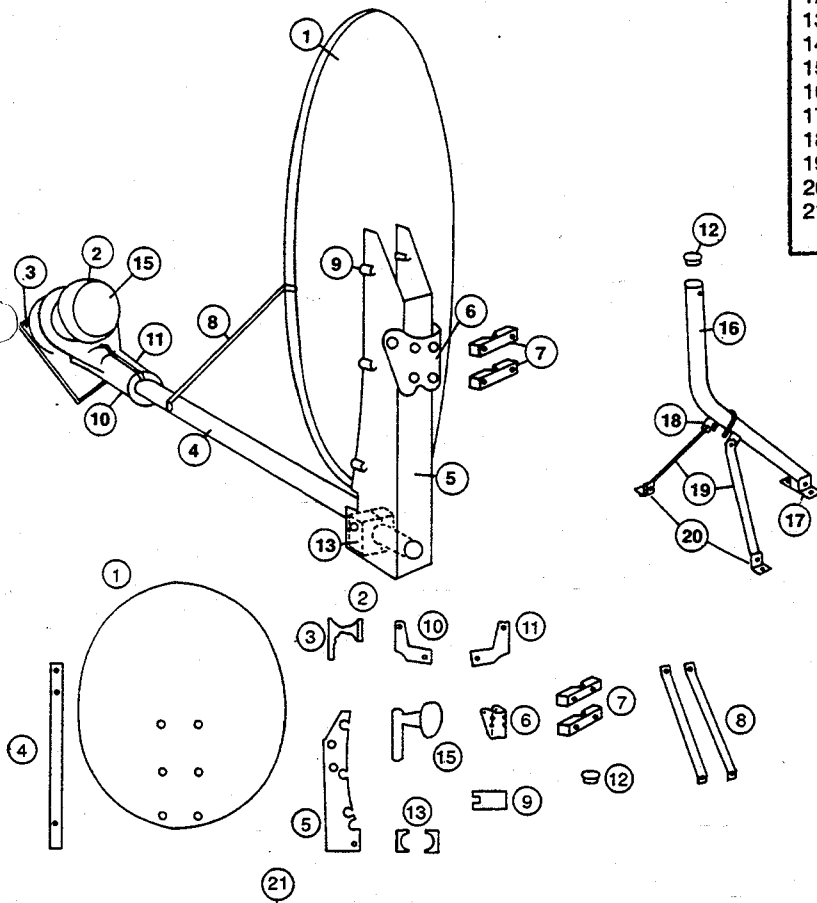


SDM95 PARTS LIST

SDM95 DISH EXPLODED VIEW

Ref.	Description	Part No.
1	Mesh Dish	240890
2	Single LNB Cover	65001
3	Single LNB	40957
4	LNB Support Arm	240891
5	Dish Support Bracket	240892
6	Elevation Angle Bracket	240893
7	V Clamp	240894
8	Dish Stabiliser Structure	240108
9	Plastics Inserts Self Tapping	40279
10	Plastic Clamp LNB LHS	40279
11	Plastic Clamp LNB RHS	40279
12	Plastic End Cap Wall/Floor Mounting	240109/A
13	Plastic Clamp LNB Support Arm	40279
14	Wall/Floor Mounting Screw Kit	240895
15	Twin LNB	240743
16	Dish Mount Pole	240109
17	Foot for Dish Mount Pole	240111
18	Dish Mount Pole Support	240896
19	Dish Mount Bracket	240107
20	Feet for Dish Mount Bracket	240897
21	Dish Screw Kit	240898
	Users Instructions Twin LNB	240746

Part number 40279 is a kit.



NOTE: Old type 60cm (SDM60 & SDX60) and 80cm (SDM80 & SDX80) dishes can be used in conjunction with SRX300. For parts information refer to SRX200ES/SR150 service manual.

SRX300 ELECTRICAL PARTS LIST

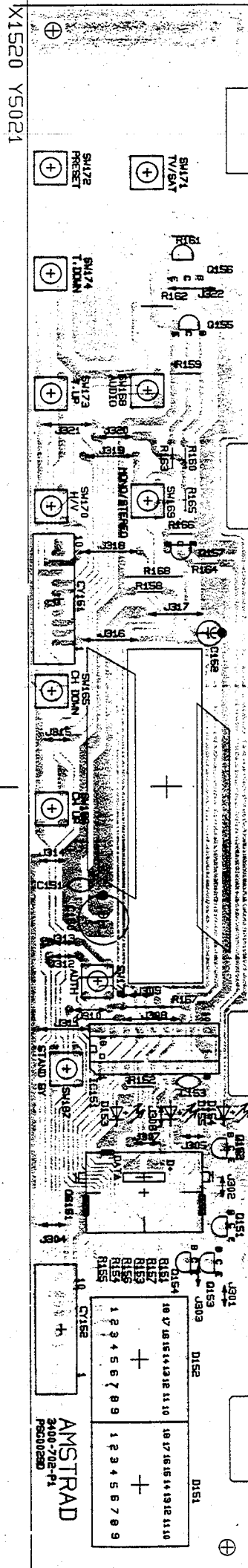
Ref. No.	Description	Part No.
IC's		
IC1	IC UC3842 	240736
IC101	IC AMS41220	41220
IC102, 303, 305-307	IC BA10324 or LA6324	240834
IC103	IC MN1280M	240728
IC104	IC SDA2516	40254
IC105	IC UAA2001	40248
IC151	IC MC14499P	40249
IC302	IC TBA229-2	40253
IC304	IC NE572N	240024
IC308, 309	IC MC14053BCP or TC4053BP	240025
IC310	IC LA7952	250573
IC311	IC BA7604	240729
IC501	IC L4960	192006
IC801	IC NJ88C33	41184
IC802	IC TBA120T	240674
Diodes		
D1	D 1N40071	170457
D2	D DFD05TG	240731
D3, 4	D DFD05TB	240730
D5	D DFC15TB	240732
D6, 7	D RG4Z	240733
D8, 501, 504, 506-510	D 1N4148	270754
D101	DZ GZA5.6 YB	240006
D102, 104, 701, 703, 704	D GMB01	240540
D103, 105	D DS442	240685
D106	DZ MTZJ6.8 CT77	240652
D151, 152	LED LB-602VK2 7 Segment	240738
D153	LED SLR56VR Red	240686
D154, 155	D 5LR54VR3 Red LED	240687
D502	D MTZ18C	240689
D801	D BB409	240675
Transistors		
Q1	TR MJF18004	240737
Q101, 102, 151- 154, 157, 302- 304, 701-703, 705, 708-713, 716-719, 722- 725, 801, 802, 804, 807, 812	TR 2SC1740	50016
Q155, 156, 704, 714, 715, 720, 810, 811	TR 2SA933	150874
Q501, 502, 504	TR 2SA608 (F)	153377
Q503, 505	TR 2SA950 (Y)	170448
Q513, 514, 517, 518	TR 2SC536	153378
Q721	TR DTC124E	240690
Q808, 809	TR 2SB9760	240381
Q805	TR 3SK73Y/R	240036
Inductors		
L2	Fixed Inductor 10uH	240691
L3, 4	Fixed Inductor 60uH	240692
L5	39mH Choke 	240693
L8	Chip Inductor 3.9uH	240694
L9	Air Core Self-Sus 6T	240695
L10	Air Core Self-Sus 9T	240696
L101, 801, 807, 808	Fixed Inductor 100uH	240044
L306, 307	Fixed Inductor 12uH	240049
L301	Fixed Inductor 330uH	240699
L701	Fixed Inductor 47uH	240051
L702	Fixed Inductor 15uH	240048
L703	Fixed Inductor 5.6uH	240056
L704, 705	Fixed Inductor 3.3uH	240054
L802, 803	Fixed Inductor 1.8uH	240046
L804, 806	Fixed Inductor 33uH	240045
L805	Fixed Inductor 1.2uH	240049

Ref. No.	Description	Part No.
Variable Resistors		
VR101	VR 4.7k Ω	240713
VR301, 302	VR 220k Ω Type 1637AO	240711
VR701	VR 10k Ω Type 1637AO	240710
Miscellaneous		
TU701	RF Convertor MDLK3B483A	240735
CF301, 303, 801	Ceramic Filter 10.7MHz	240074
CF302, 304	Ceramic Filter 10.52MHz	240075
CF305, CD801	Discriminator 10.7MHz	240076
CF306	Discriminator 10.52MHz	240077
X101	Crystal 2MHz	240095
J701	2 Pin Audio Jack Socket	240798
J702, 703	21 Pin Scart Socket	153030
TC701	Trimmer Cap 50pF	240818
VR1	Trimmer 1k Ω	240657
FS1	Fuse T500mA 	88005
	Fuse Holder	
T1	Mains Transformer 	240799
SW1, SW2	Slide Switch	270800
SW165-SW174	Tact switch	240860
OS101	Remote Receiver	240739
	Power Cord Black PSU	270861
TU702	Tuner Assembly	240740
	SRX300 Package Assembly M/C	
	75 Ω FR Cable 1.5M G.B.	153040
	Remote Control	240704
	Carton, Individual SRX300E M/C	240725
	Polyfoam End Cap Set	240877
	Guarantee Card, Multilingual	240876
	Inst. Book Multilingual SRX300E	240724
	LNB Warning Label, Multilingual	
Description	Ref. No.	Part No.
Electrolytic Capacitors		
1 μ F 50V	C18, 101, 322, 323, 338, 339, 380, 381, 502-505, 807	20062
1 μ F 50V NP	C104	240862
2.2 μ F 50V	C107-109, 340, 341	157672
4.7 μ F 50V	C326, 327, 334, 335, 836	157565
10 μ F 16V	C10	157673
10 μ F 16V NP	C324, 325	240461
10 μ F 35V	C110, 330, 331, 336, 337, 346- 253, 360-364, 367, 368, 759, 760	240662
22 μ F 10V	C804	270042
22 μ F 16V	C706	193425
33 μ F 25V	C5	2501
47 μ F 16V	C728, 747	157649
47 μ F 35V	C12, 15	157651
47 μ F 400V	C2	253212
100 μ F 10V	C152	240463
100 μ F 16V	C16, 701, 703, 815, 825, 826	157568
220 μ F 25V	C116, 117, 512, 741	193763
470 μ F 10V	C13, 704, 710, 729, 730, 743, 745	270963
470 μ F 16V	C150	193428
1000 μ F 6.3V	C17	250412
1000 μ F 10V	C14	130105

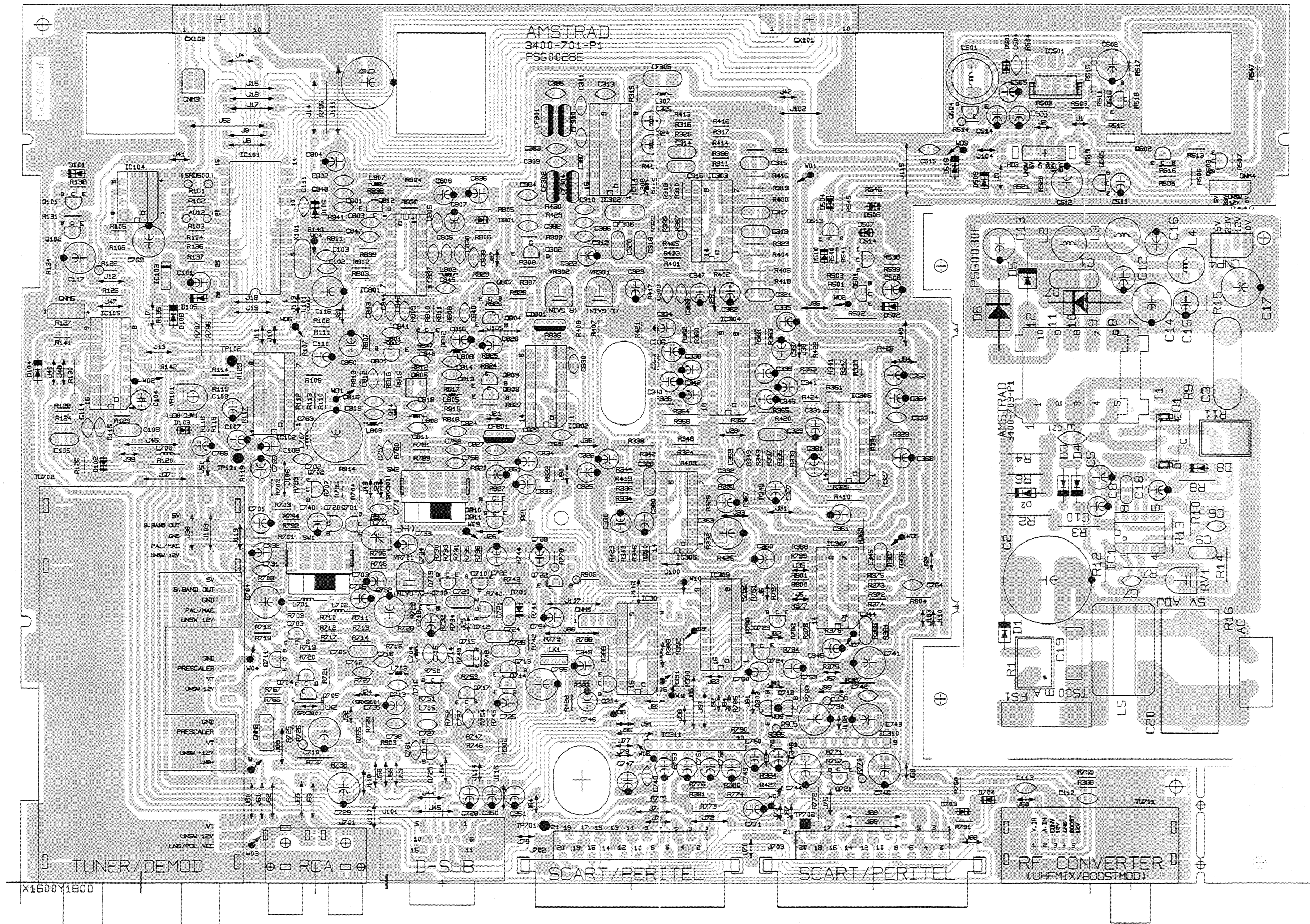
Description	Ref. No.	Part No.
Ceramic Capacitors		
18pF 50V	C811, 816	270032
22pF 50V	C102, 103	240225
33pF 25V	C840	150514
47pF 50V	C382, 384, 841, 842	150515
51pF 50V	C713	240238
68pF 50V	C383, 385	150516
100pF 25V	C6, 7	240863
100pF 50V	C716, 757	153901
150pF 50V	C712	240237
180pF 50V	C715, 830	240239
270pF 50V	C714	153906
200pF 25V	C813	240234
330pF 50V	C729, 809	240233
470pF 50V	C845	153908
1000pF 50V	C742, 801, 805-806	240222
2200pF 25V	C112, 113, 748	152643
4700pF	C19	270038
0.001µF 50V	C8, 9, 812, 814, 818, 824, 827, 837-839, 843, 846	157679
0.0033µF 50V	C758	240663
0.0047µF 50V	C803, 847	201719
0.01µF 25V	C111, 114, 115, 310-313, 359, 369, 386, 387, 737, 848	240229
0.047µF 50V	C828, 829, 756	270040
0.1µF 25V	C151, 302, 309, 332, 333, 702, 731, 734, 736, 761, 802, 844	153929
0.022µF 50V	C153	240230
0.22µF	C20, 837-839, 843, 846	240478
Mylar Capacitors		
1500pF 100V	C314-321	240864
2700pF 100V	C705	240865
4700pF 100V	C344, 345	240866
0.001µF 100V	C724	240867
0.0018µF 100V	C726	240868
0.01µF 100V	C105	240869
0.047µF 100V	C721	254028
0.068µF 100V	C106	240870
0.1µF 100V	C720	240871
Polypropylene Capacitors		
0.0033µF 50V	C328, 329	176492
Tantalum Capacitors		
3.3µF 16V	C342, 343	240489
Description	Ref. No.	Part No.
Resistors		
1.2Ω 1/6W	R504	152139
1.5Ω 3W	R11	151915
10Ω(F) 1/6W	R804	240872
15Ω 3W	R1	253556
27Ω 1/6W	R513	152157
36Ω 1/6W	R714	240203
47Ω 1/6W	R707, 733, 735	152160
47Ω ¼W	R778	174853
47Ω ½W	R168	176547
75Ω 1/6W	R738, 779	152163
75Ω ¼W	R726, 757, 768-770, 772	240211
100Ω 1/6W	R151-157	152166
100Ω(F) 1/6W	R505, 721, 835	240873
120Ω 1/6W	R8	152167
130Ω 1/6W	R514	240883
150Ω 1/6W	R163, 709, 712, 713, 715, 727, 728, 816	152168
160Ω 1/6W	R759	240677
180Ω 1/6W	R758	152169
220Ω 1/6W	R748	152170

Description	Ref. No.	Part No.
Resistors (cont.)		
220Ω ¼W	R9, 756	10040
270Ω 1/6W	R383, 384, 427, 428, 710, 719, 773-776, 783, 785	152171
300Ω 1/6W	R725	240882
330Ω 1/6W	R429, 430, 711, 718, 730, 751, 818	152172
390Ω ½W	R512	176328
470Ω 1/6W	R112, 164, 314, 315, 520, 521, 545, 546, 729, 786, 787, 802, 803	152174
470Ω ¼W	R737	10048
680Ω 1/6W	R740, 745, 810	152176
680Ω ¼W	R130	10052
820Ω 1/6W	R704, 789, 813, 814	152178
1kΩ 1/6W	R360, 361, 387, 547, 701, 705, 706, 708, 742, 747, 792, 795, 828	152179
1kΩ ¼W	R10	192251
1kΩ ½W	R502, 507, 508	240214
1.2kΩ 1/6W	R309, 385, 386, 782, 784, 809	152180
1.5kΩ 1/6W	R167, 515, 516, 734	152181
1.8kΩ 1/6W	R736, 744, 763, 793	152182
2kΩ 1/6W	R352, 353, 717, 720, 767, 841	240208
2.2kΩ 1/6W	R138, 159, 423, 424, 501, 540	152183
2.7kΩ 1/6W	R14, 511, 766	152184
3kΩ 1/6W	R777	271023
3.3kΩ 1/6W	R108, 111, 316, 317, 753	152185
4.7kΩ 1/6W	R105, 106, 131, 136, 137, 161, 342, 343, 346, 347, 364, 365, 703, 830	152183
5.1kΩ 1/6W	R113, 771	193790
5.6kΩ 1/6W	R109, 114, 318, 319, 368, 369, 415-422, 425, 426, 754	152189
6.8kΩ 1/6W	R107, 110, 116, 322, 323, 379, 388, 519, 780	152190
7.5kΩ 1/6W	R702, 743	152191
8.2kΩ 1/6W	R794	152192
10kΩ 1/6W	R15, 101-103, 120, 124, 126-128, 134, 135, 141, 716, 790, 826, 829	152194
10kΩ ¼W	R104, 122, 140, 142, 763	240511
11kΩ 1/6W	R340, 341, 376, 377	240209
12kΩ ¼W	R7, 160	10087
15kΩ 1/6W	R320, 321, 378, 732, 761, 781	152196
15kΩ ¼W	R409, 410	10089
16kΩ 1/6W	R366, 367	240206
18kΩ 1/6W	R731	152197
20kΩ 1/6W	R791	157639
22kΩ 1/6W	R119, 123, 162, 328-331, 335, 344, 348, 349, 741, 788, 806, 812, 838, 839	152198
27kΩ 1/6W	R13, 115, 362, 363, 762	152199
33kΩ 1/6W	R307, 310, 311, 401, 402, 807, 814	152200
39kΩ 1/6W	R118, 308, 332, 333, 407, 408	252201
47kΩ 1/6W	R158, 165, 166, 398-400, 403-406, 411-414	152203
47kΩ ¼W	R397	10101
82kΩ ¼W	R324, 325	10107
100kΩ 1/6W	R4-6, 125, 129, 506, 509, 539, 746	152209
150kΩ 1/6W	R12	152211
150kΩ ½W	R2, 3	176565
220kΩ 1/6W	R334-337	152213
1MΩ 1/6W	R117	152223
1MΩ ½W	R16	176567
4.3MΩ 1/6W	R338, 339	240874
VERT		
5.1MΩ ¼W	R354, 355	240875
10MΩ ¼W	R356, 357	240213

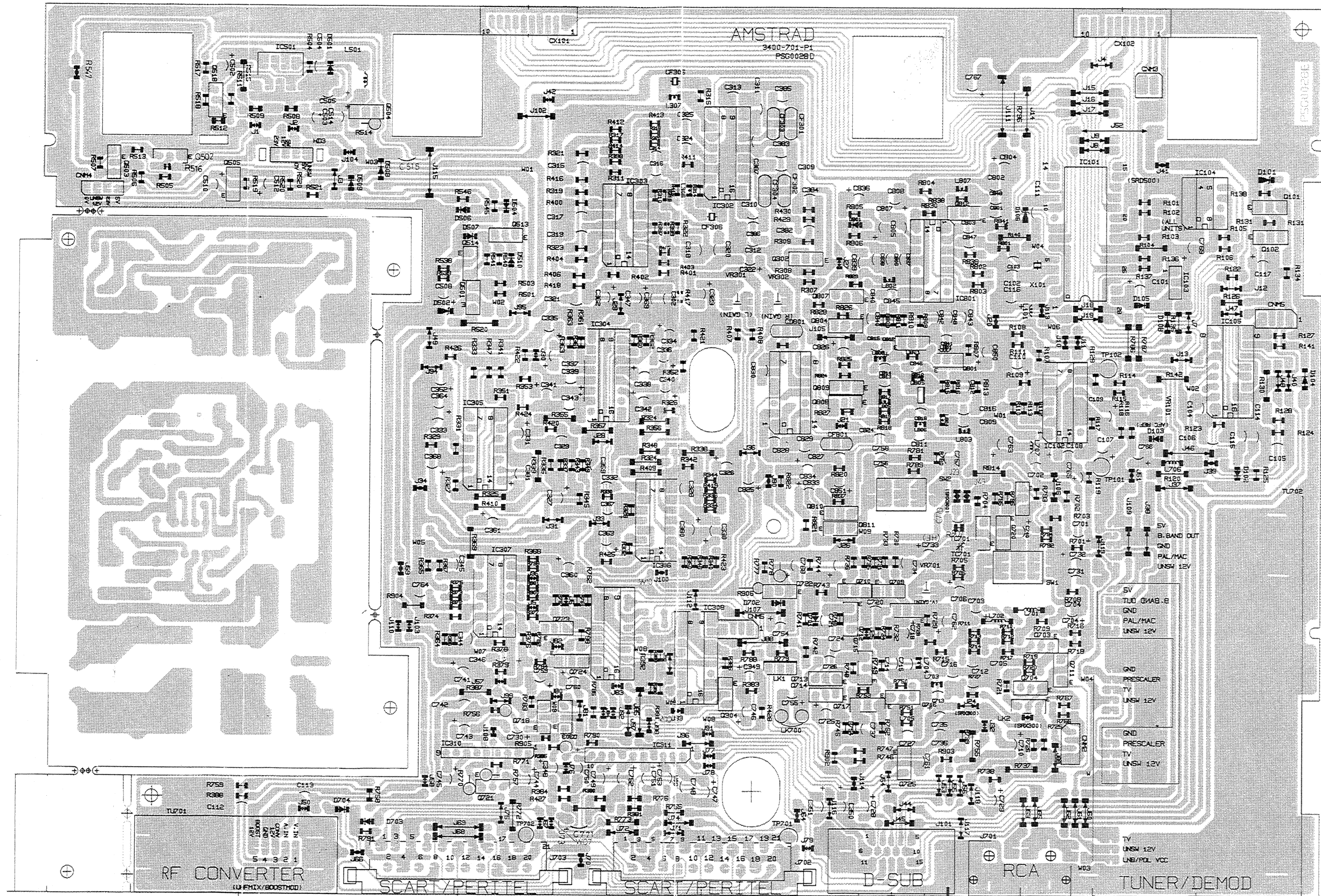
DISPLAY P.C.B.



MAIN P.C.B. (Top View)



MAIN P.C.B. (Bottom View)



NOTE: FOR CONTINUATION
SEE PAGE 14.

POWER SUPPLY
SCHEMATIC
DIAGRAM

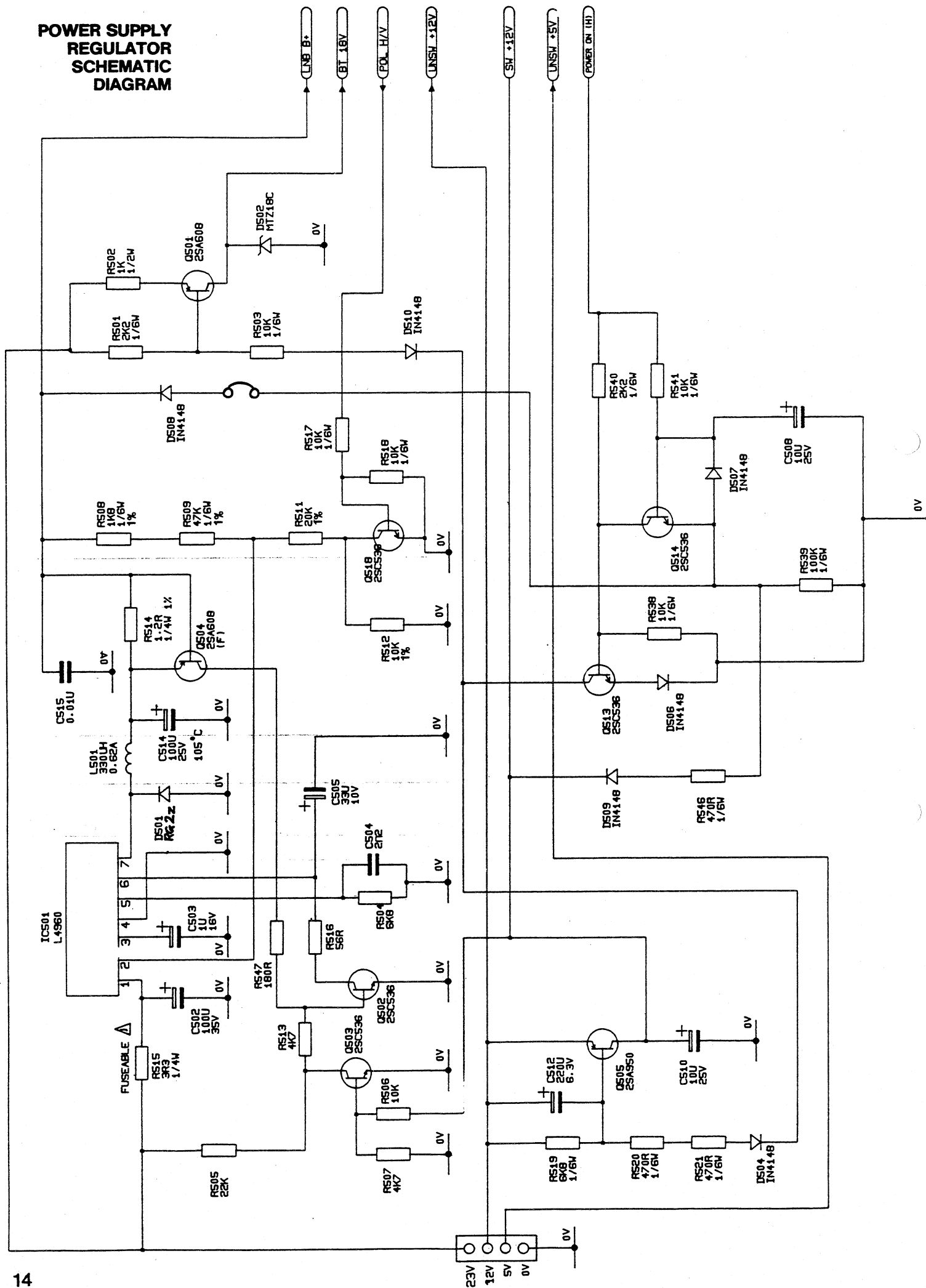
* R13 SHOULD BE 22K OHM
USING MOTOROLA UC3842A FOR IC1.

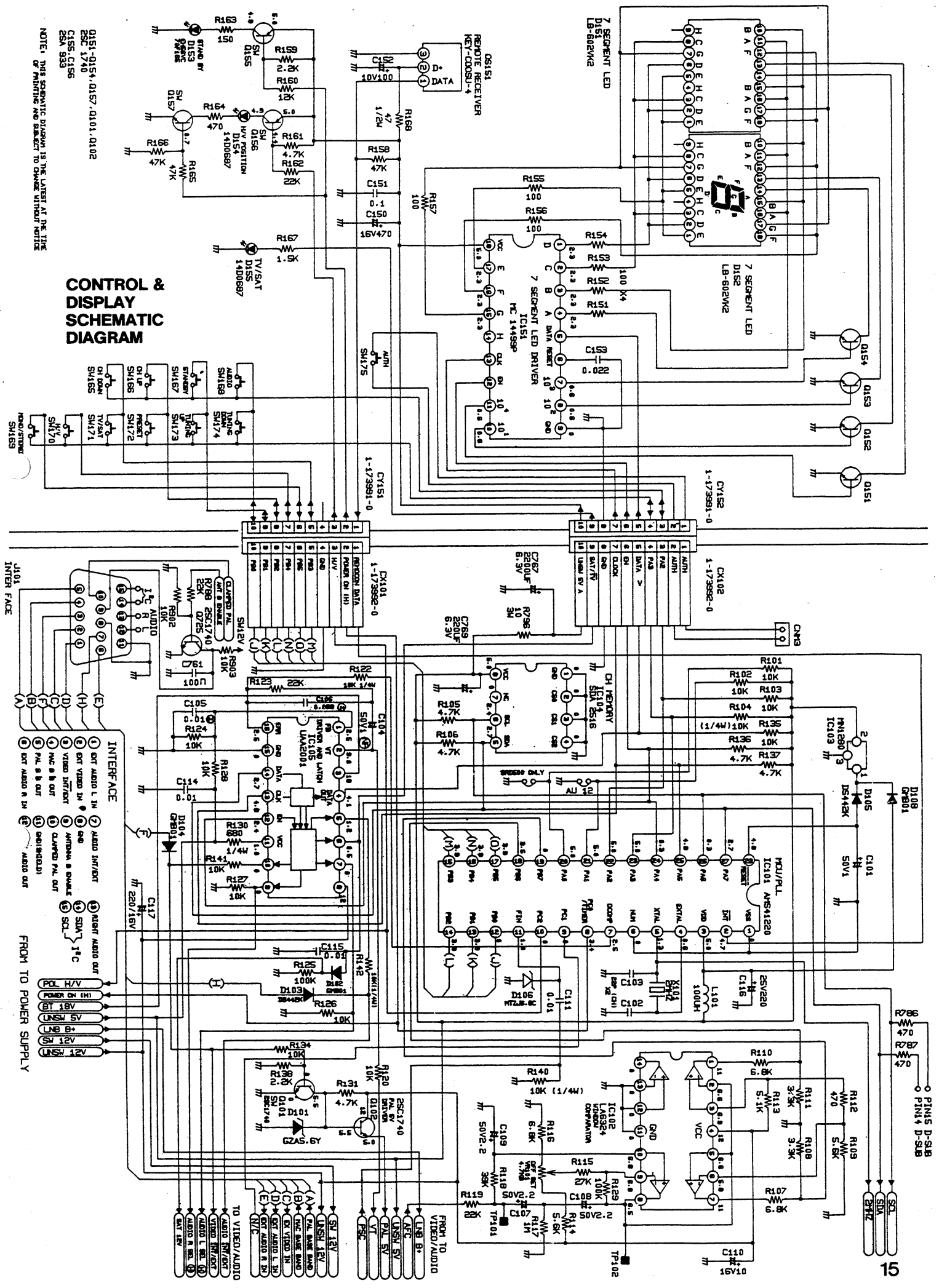
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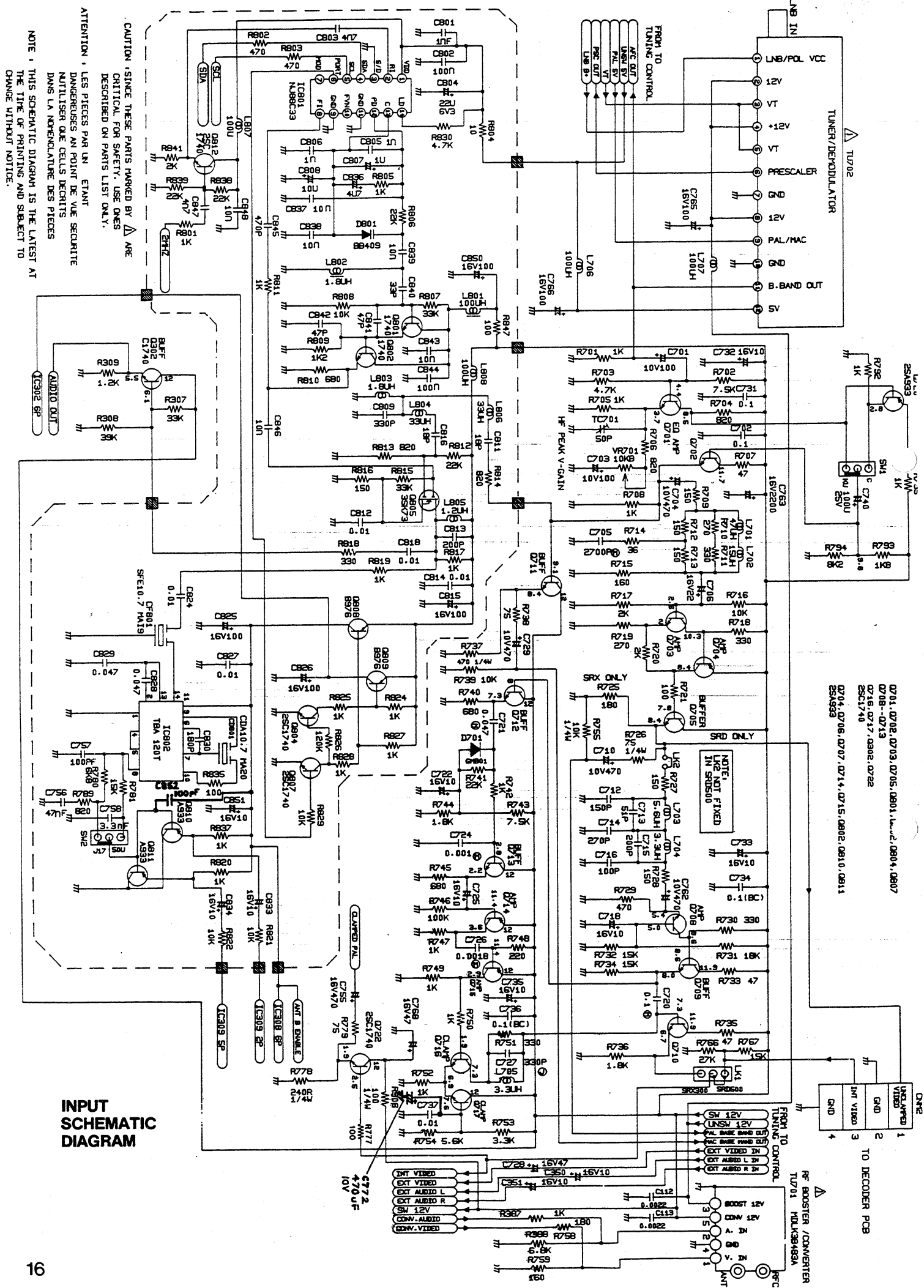
POWER SUPPLY REGULATOR SCHEMATIC DIAGRAM



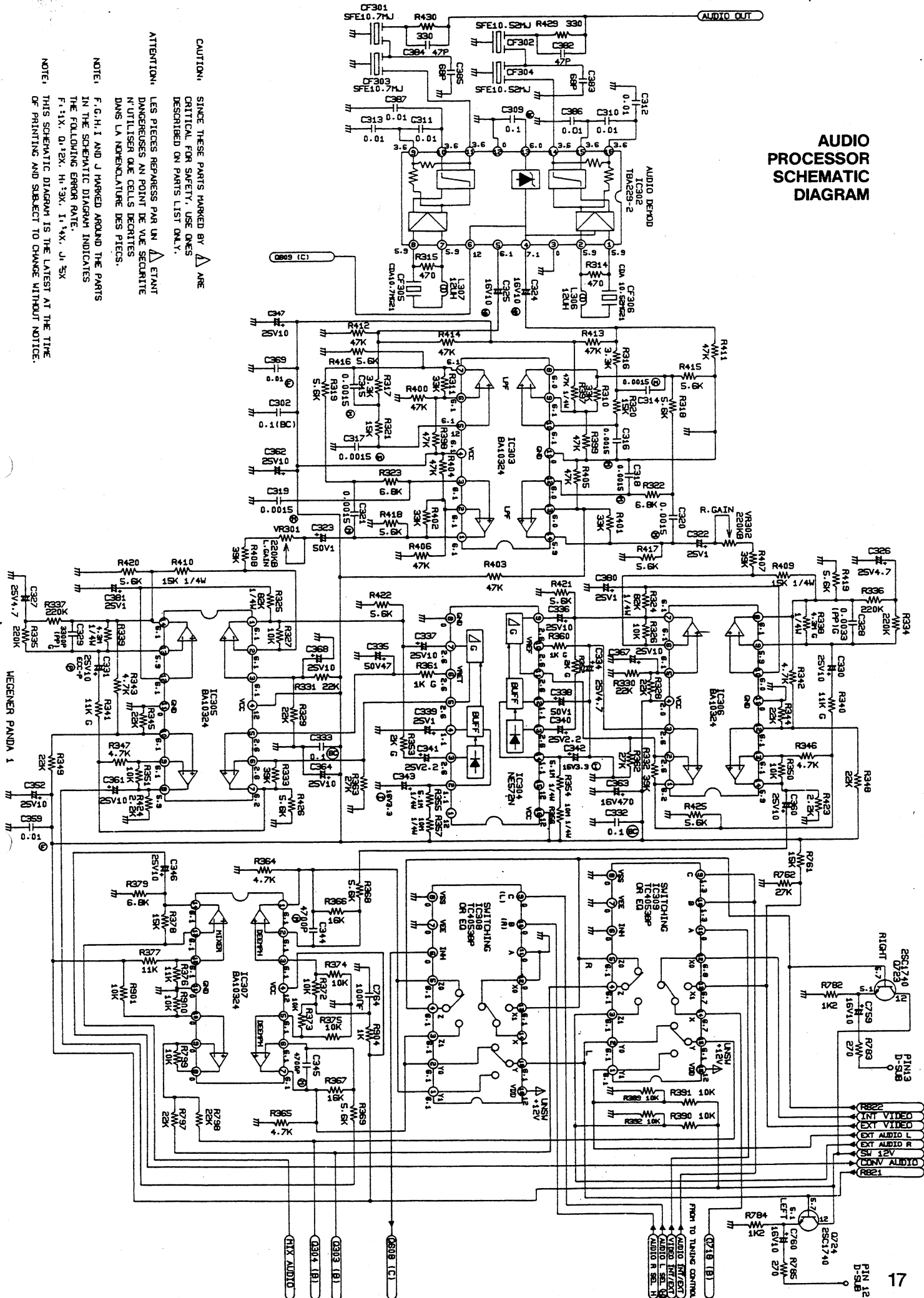


CONTROL & DISPLAY SCHEMATIC DIAGRAM

DS1-DS5, DS7, 0101, 0102
DS6, 1740
DS5, DS6
DS4, DS5
NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE



AUDIO PROCESSOR SCHEMATIC DIAGRAM

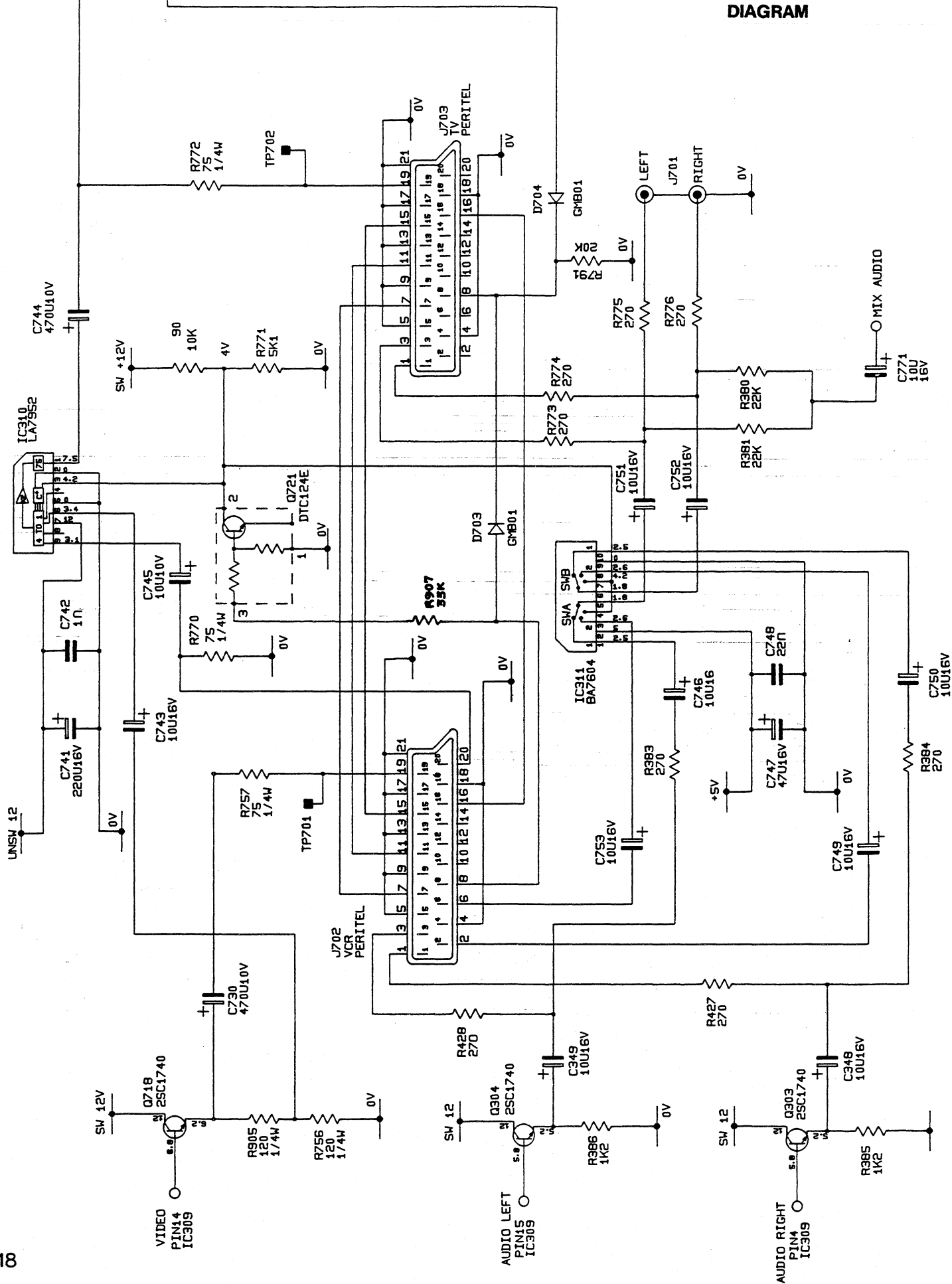


CAUTION: SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED ON PARTS LIST ONLY.

ATTENTION: LES PIÉCES REPARÉES PAR UN ÉTANT DANGEREUSES AU POINT DE VUE SECURITE N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÉCES.

NOTE: F, G, H, I AND J MARKED AROUND THE PARTS IN THE SCHEMATIC DIAGRAM INDICATES THE FOLLOWING ERROR RATE:
 F: 1X, G: 2X, H: 3X, I: 4X, J: 5X
 THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

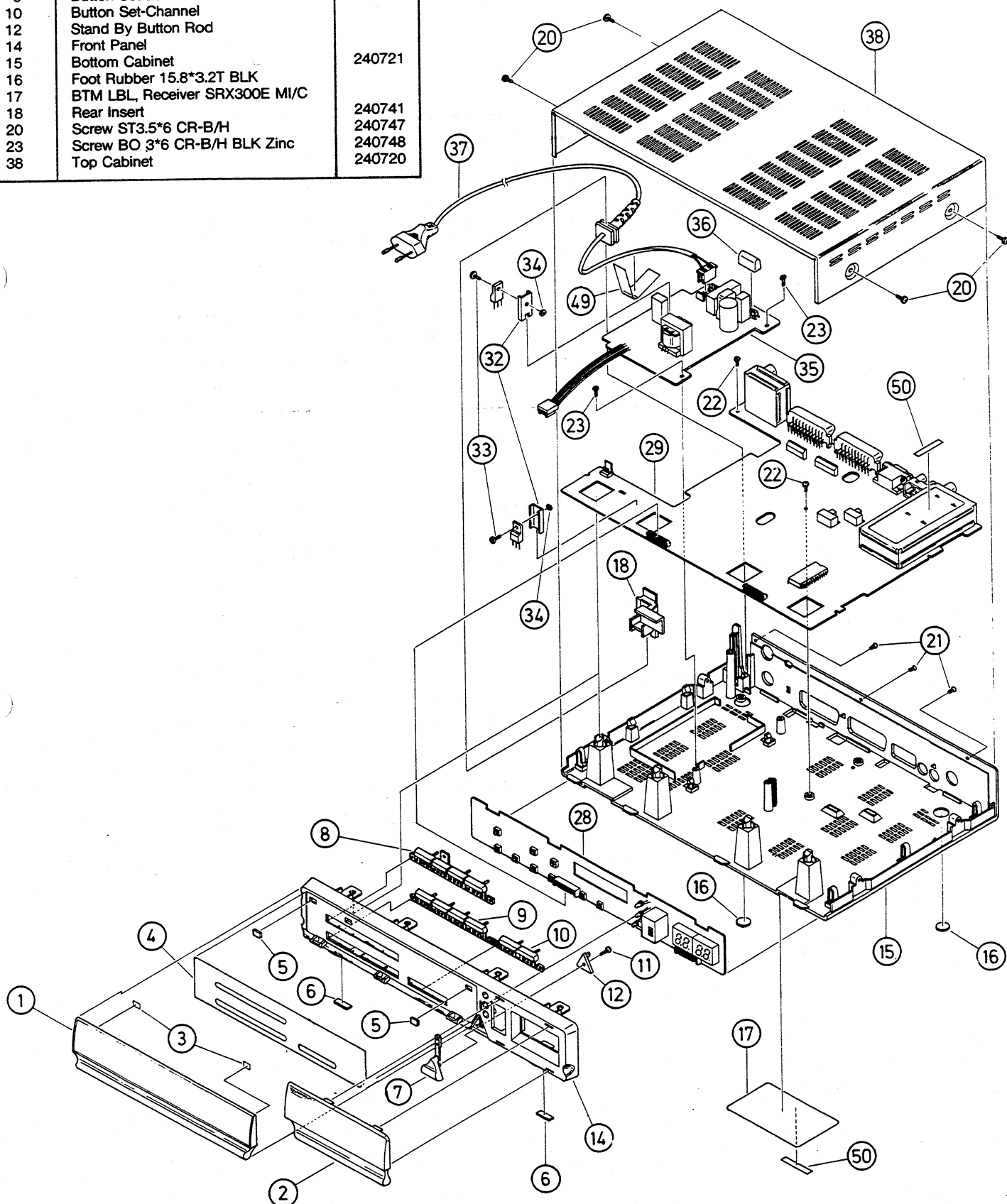
—○ SAT 12V
(D102 + R125)



SRX300 CABINET PARTS LIST

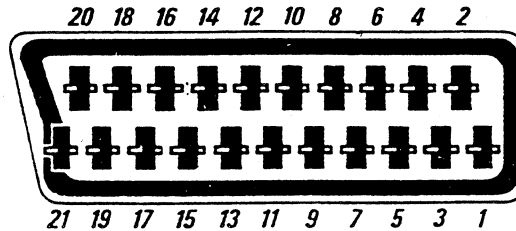
Ref.	Description	Part No.
1	Front Panel Assy (Parts 1—12)	240722
2	Door SRX-300	240723
3	Display Cover	
4	Door Steel Plate	
5	Display Inlay SRX-300	
6	Magnetic Bar 8*4*1.7mm	
7	Foot Rubber-Front Foot	
8	Stand By Button	240754
9	Button Set-Upper	
10	Button Set-Lower	
11	Button Set-Channel	
12	Stand By Button Rod	
14	Front Panel	
15	Bottom Cabinet	240721
16	Foot Rubber 15.8*3.2T BLK	
17	BTM LBL, Receiver SRX300E MI/C	240741
18	Rear Insert	240747
20	Screw ST3.5*6 CR-B/H	240747
23	Screw BO 3*6 CR-B/H BLK Zinc	240748
38	Top Cabinet	240720

CABINET EXPLODED VIEW



SCART / PERITEL SOCKET

The standard SCART/PERITEL socket connections are as follows:



- | | |
|--------------------------|--------------------------|
| 1 Audio output B (right) | 12 Data line 1* |
| 2 Audio input B 1* | 13 Red earth |
| 3 Audio output A (left) | 14 Reserved |
| 4 Audio earth | 15 Red* |
| 5 Blue earth | 16 Blanking signal* |
| 6 Audio input A 1* | 17 Video earth |
| 7 Blue* | 18 Blanking signal earth |
| 8 Switching voltage | 19 Video output |
| 9 Green earth | 20 Video input 1* |
| 10 Data line 2* | 21 Shield/earth |
| 11 Green* | |

* NOTE - SCART/PERITEL pins 2, 6, 7, 10, 11, 12, 15, 16 and 20 are not implemented.